

## ABSTRACT



A handheld ergonomic mouse comprising a handheld unit, a base holder, and its hookup software is disclosed. The handheld unit allows users great comfort in performing browsing intensive tasks such as browsing Internet or using network computers without being restricted to his/her desk. By moving his/her thumb on the touchpad located on the handheld unit, a user can either move mouse cursor or write on the touchpad to simulate keyboard inputs. Keyboard input simulation is accomplished by a recognition component embedded in the hookup software that traces the user's thumb movements and interprets them.

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